




FAX

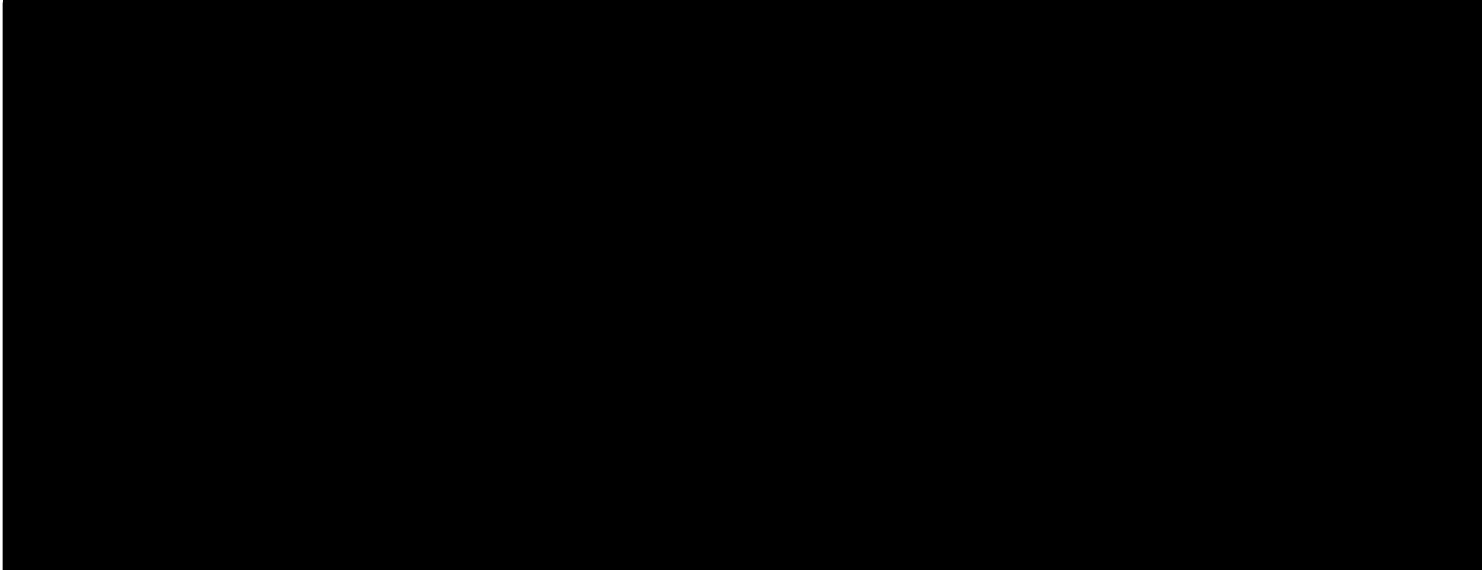
Date: December 6, 2012 **Number of Pages:** 19 total pages sent in 3 faxes

To: Audrey Binder
name
EPA
firm/company
202-564-9490 202-564-9033
fax number phone number
Washington DC USA
city state country

CC: Gwendolyn McClung
Mark Segal



Message: Please note that this fax 1 of 3.



**Addendum to the
Microbial Commercial Activity Notice (MCAN)**

to the

**U.S. Environmental Protection Agency
Office of Pollution Prevention and Toxics
Chemical Control Division
New Chemicals Notice Management Branch**

TS Number: J-012-003

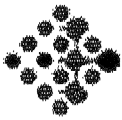
Date of Submission: December 5, 2012

Submitter: Richard Green
VP, Regulatory Affairs
Solazyme, Inc.
225 Gateway Boulevard
South San Francisco, CA 94080

Submitted to: TSCA Document Processing Center (7407)
Room L-100
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

[REDACTED]

Solazyme, Inc.
225 Gateway Boulevard
So. San Francisco, CA. 94080
P 650-780-4777 x 5347
F 650-989-6700
rgreen@solazyme.com



solazyme

biotechnology and energy

December 5, 2012

Via CDX and FAX

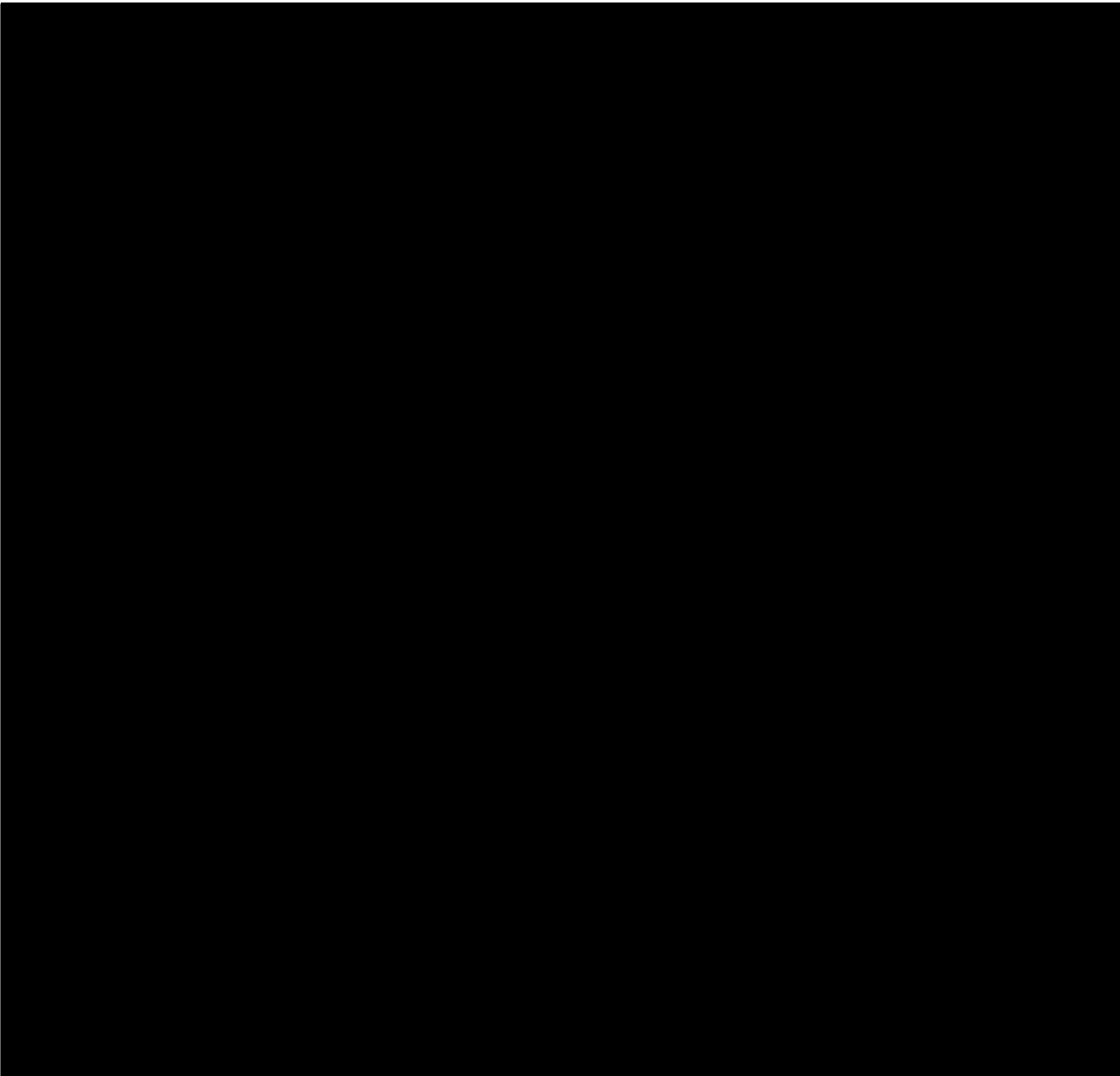
Ms. Audrey Binder
US EPA Headquarters
Ariel Rios Building
1200 Pennsylvania Avenue, N. W.
Mail Code: 7405M
Washington, DC 20460

MCAN TS Number: J-012-003 Supporting Documents

Dear Ms. Binder:

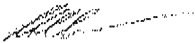
We are writing to provide EPA with additional information to support our MCAN submissions with the enclosed comprehensive kill curve at low to inactivation temperatures so that the Agency can assess the range of heat tolerance displayed by the MCAN strain. With this letter, we are submitting additional data which demonstrates that Solazyme's [REDACTED] processing is more than adequate to accomplish heat inactivation of the MCAN strain. In addition, Solazyme performed a liquid culture media assay to supplement the standard plate assay and is providing more information regarding the sensitivity of the plate assays.

Solazyme has performed additional bench scale heat inactivation studies to further support a finding by the Agency that [REDACTED] is highly sensitive to heat. Heat treatment for 1 minute at 65°C results in at least a 7 log reduction of [REDACTED]. These data support the finding that two of the [REDACTED] processes at the [REDACTED] facility in Figure 1 below [REDACTED] both independently achieve at least a 7 log reduction of viable [REDACTED]



If you need additional information, please contact me.

Best regards,



Richard Green
VP, Regulatory Affairs
Solazyme, Inc.
225 Gateway Blvd
S San Francisco, CA 94080

[REDACTED]

Solazyme, Inc.

TO: Rick Green, Vice President Regulatory Affairs
Scott Franklin, Vice President Molecular Biology

FROM:

[REDACTED]

DATE: November 19, 2012

SUBJECT:

[REDACTED]

REFERENCES:

[REDACTED]

Abstract

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

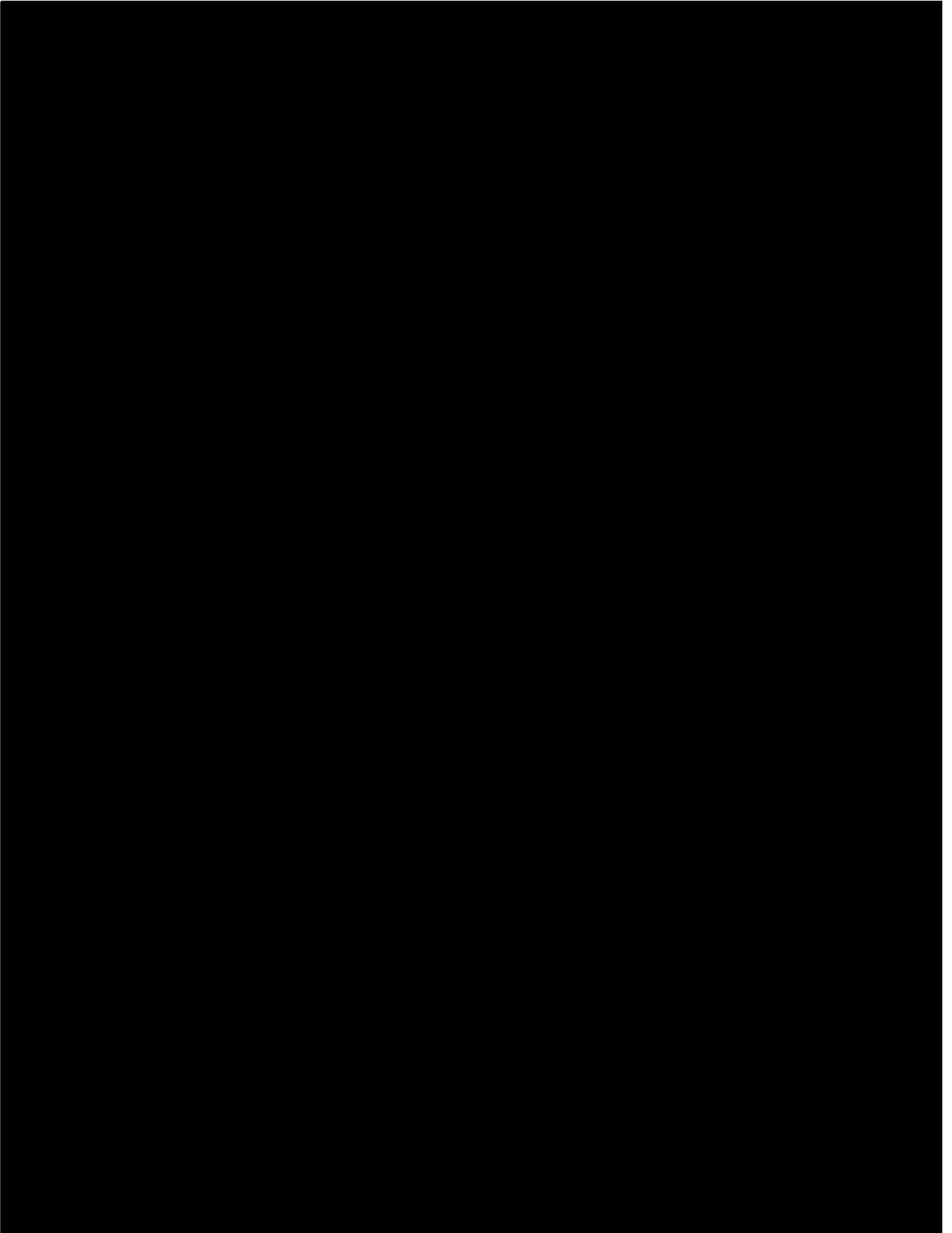
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



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Mark Segal

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

were not assessed for CJUS.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

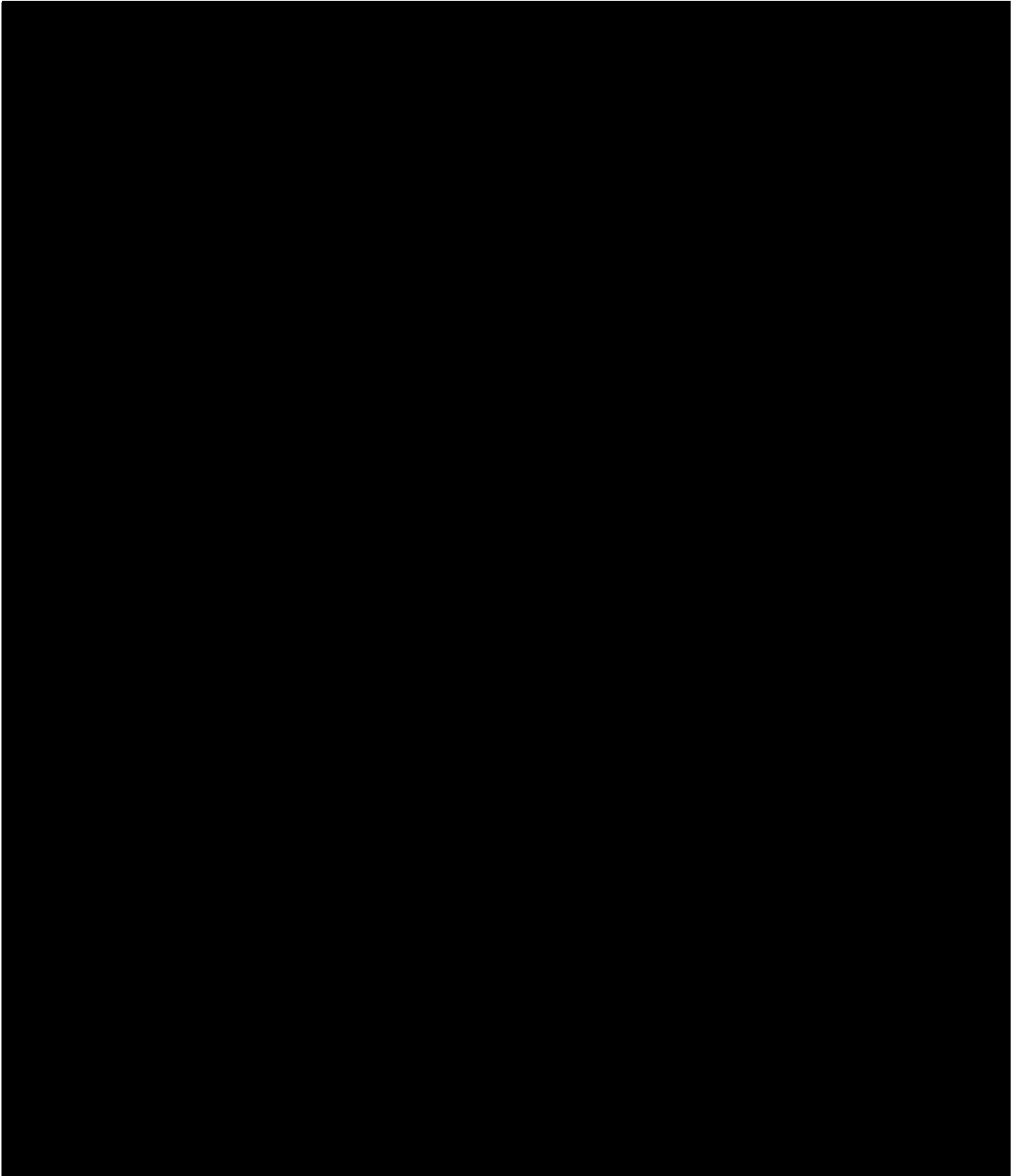
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



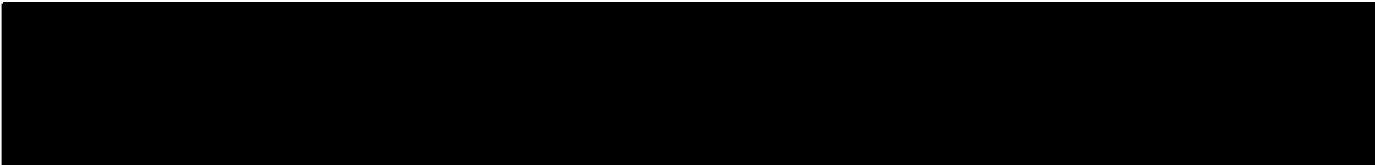


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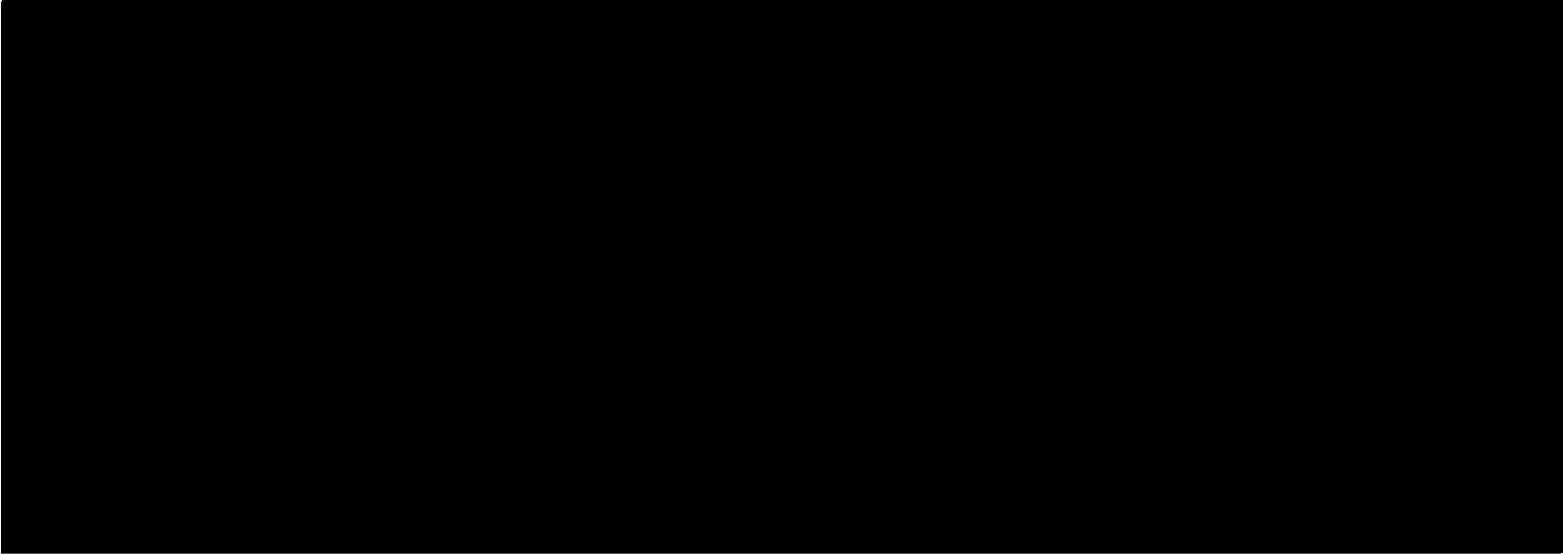
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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]


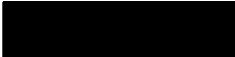
[REDACTED]

[REDACTED]

[REDACTED]




Conclusion

As shown by the heat treatment studies conducted on  our algal microorganism is highly sensitive to kill methods based on heat. Studies performed at bench scale demonstrate that exposure to heat at temperatures as low as 65°C for a little as 1 minute is sufficient to demonstrate > 7-log reductions for viable  cells, regardless of 